

# ACTA PHYSIOLOGICA SCANDINAVICA

## REDACTORES

K. HARTIALA

ÅBO

F. BUCHTHAL

KØBENHAVN

R. NICOLAYSEN

OSLO

RECEIVED

OCT 17 1969

HEALTH CENTER LIBRARY

V. ZOTTERMAN

STOCKHOLM

U. S. VON EULER

(EDITOR) STOCKHOLM

## COLLABORANTES

AGREN, G. (Uppsala), ANDERSEN, H. T. (Oslo), ANDERSSON, B. (Stockholm), BÁRÁNY, E. (Uppsala),  
BERGSTRÖM, S. (Stockholm), BERNHARD, C. G. (Stockholm), BJURSTEDT, H. (Stockholm), BLIX, G.  
(Uppsala), BORSTRÖM, B. (Lund), CARLSSON, A. (Göteborg), CARLSTEN, A. (Göteborg), DAM, H.  
(København), EGE, R. (København), VON EULER, C. (Stockholm), FÄNGE, R. (Göteborg), FOL-  
KOW, B. (Göteborg), FÖLLING, A. (Oslo), FRANKENHAEUSER, B. (Stockholm), GOLDBERG, L.  
(Stockholm), GRANIT, R. (Stockholm), HESSER, C. M. (Stockholm), HOIHWÜ-CHRISTENSEN, E.  
(Stockholm), HÖKFELT, B. (Malmö), HOLLUNGER, G. (Umeå), HOLM-JENSEN, I. (Århus)  
JORPES, E. (Stockholm), LANDGREN, S. (Umeå), LEEGAARD, F. (Oslo), LEHMANN, J. (Göte-  
borg), LINDERHOLM, H. (Umeå), LUNDBERG, A. (Göteborg), LUNDHOLM, L. (Göteborg),  
MELLANDER, O. (Göteborg), MELLANDER, S. (Lund), MOLLAND, J. (Oslo), MØLLER, K.  
(København), NIELSEN, M. (København), OTTOSON, D. (Stockholm), PAUL, K. G. (Umeå),  
REENPÄÄ, Y. (Helsinki), REHBERG, P. B. (København), REICHARD, P. A. (Stockholm), ROSELL,  
S. (Stockholm), SCHMITERLÖW, C. G. (Stockholm), SCHÖNHEYDER, F. (Århus), SJÖBERG, K.  
(Stockholm), SJÖSTRAND, T. (Stockholm), SKOGLUND, C. R. (Stockholm), STRÖM, G. (Uppsala),  
TEORELL, T. (Uppsala), THEORELL, H. (Stockholm), THESLEFF, S. (Lund), USSING, H. (Køben-  
havn), UVNÄS, B. (Stockholm), VARTIAINEN, A. V. (Helsinki), VIRTANEN, A. I. (Helsinki), WA-  
LAAS, O. (Oslo), WAALER, B. A. (Oslo), WESTERLUND, A. (Uppsala), WRETTLIND, A. (Stockholm).

ACTA PHYSIOL. SCAND.

GP 1  
A18  
v. 76  
1969

# Vol. 76. INDEX

Fasc. 1—2. (May—June 1969)

Possible Relation between the Degree of Cardiac Adrenergic Innervation and the Resistance to Hypothermic Ventricular Fibrillation in Young Cats. By K. C. NIELSEN . . . . .	1
Renal Autoregulation during Infusion of Noradrenaline, Angiotensin and Acetylcholine. By F. KIIL, J. KJEKSHUS and E. LÖYNING . . . . .	10
Role of Autoregulation in Maintaining Glomerular Filtration Rate at Large Urine Flow. By F. KIIL, J. KJEKSHUS and E. LÖYNING . . . . .	24
A Comparative Study of $K^{42}$ and $Na^{24}$ Movements during the Cardiac Cycle. By E. CORABOEUF, J. DELAHAYES and U. SJÖSTRAND . . . . .	40
Embryological Observations of the Ductus Arteriosus in the Guinea-Pig, Rabbit, Rat and Mouse. Studies on Closure of the Ductus Arteriosus. IV. By P. Y. HÖRNBLAD . . . . .	49
Effect of Oxygen and Umbilical Cord Clamping on Closure of the Ductus Arteriosus in the Guinea-Pig and the Rat. Studies on Closure of the Ductus Arteriosus. VI. By P. Y. HÖRNBLAD . . . . .	58
The Mutual Influence of Gastrin and Secretin on the External Pancreatic Secretion in Dogs. By F. W. HENRIKSEN and H. WÖRNING . . . . .	67
Control of Spontaneous Ventricular Fibrillation during Induced Hypothermia in Cats by Acute Cardiac Sympathectomy. By K. C. NIELSEN and Ch. OWMAN . . . . .	73
Colour Specific Features of Visual Cortical Responses in Man Evoked by Monochromatic Flashes. By L. CIGÁNEK and D. H. INGVAR . . . . .	82
Effects of Epsilon Aminocaproic Acid (EACA) and Trasylol on Thromboplastin-Induced Intravascular Coagulation, Studied in Dogs with Iodine-Labelled Fibrinogen. By S. NORDSTRÖM and E. ZETTERQVIST . . . . .	93
Histochemical Studies on the Metabolism of L-DOPA and Some Related Substances in the Exocrine Pancreas. By P. ALM, B. EHINGER and B. FALCK . . . . .	106
Hypoxia and Pulmonary Vascular Resistance. The Relative Effects of Pulmonary Arterial and Alveolar $P_{O_2}$ . By A. HAUGE . . . . .	121
Response of Isolated Muscle Spindles of the Frog to Sinusoidal Changes in Length. By S. A. A. JAHN . . . . .	131
The Role of Adenine Nucleotides in the Peripheral Vasodilating Effect of Thrombin. By P. OLSSON, J. SWEDENBORG and A.-C. TEGER-NILSSON . . . . .	137
Intercostal and Cerebellar Influences on Efferent Phrenic Activity in the Decerebrate Cat. By E. E. DECIMA and C. VON EULER . . . . .	148
Release, Reuptake and Net Uptake of Dopamine, Noradrenaline and Adrenaline in Isolated Sheep Adrenal Medullary Granules. By F. LISHAJKO . . . . .	159
Metabolism of $^{14}C$ -Histamine in Domestic Animals. I. Goat. By K. A. ELIASSEN . . . . .	172
pH-Dependence of the Mechanism in the Duodenal Bulb Inhibiting Gastric Acid Responses to Exogenous Gastrin. By S. ANDERSSON and G. NILSSON . . . . .	182
Kininogen in Plasma from Cat, Hamster and Guinea-Pig. By K. GAUTVIK . . . . .	191
Dissociation of Histamine Release and $^{22}Na^+$ Uptake in Rat Mast Cells Exposed to Compound 48/80 <i>in vitro</i> . By S. A. SLORAGH and B. UVNÄS . . . . .	201
Proximal Tubular Reabsorption in the Rat Kidney as Studied by the Occlusion Time and Lissamine Green Transit Time Technique. By E. BOJESEN and P. P. LEYSSAC . . . . .	213
The Dynamics of the Inotropic Change Produced by Altered Pacing of Rabbit Papillary Muscle. By K. A. P. EDMAN and E. NILSSON . . . . .	236
On the Mechanism of Action for the Effect of Cholecystokinin on the Cholelithoduodenal Junction in the Cat. By P. HEDNER and G. RORSMAN . . . . .	248
Acute Neuromuscular Transmission Failure in Vas Deferens after Reserpine. By U. S. VON EULER . . . . .	255

# Abstracts from Meeting of the Scandinavian Physiological Society in København 11—12 April 1969

## DEMONSTRATIONS

- Recording of Cell Membrane Potentials in Perfused Rat Liver. By M. FOLKE..... 1A  
 Electrical and Mechanical Activity in Myometrial Grafts in the Rabbit. By G. WAGNER 1A  
 Krogh's Bicycle Ergometer Modified for Eccentric Exercise. By F. B. PETERSEN..... 2A

## COMMUNICATIONS

- What drives Water across Epithelial Cells in the Absence of a General Transmural Osmotic Gradient? By E. SKAUDHAUGE..... 4A  
 Lamellar Organization of Hippocampal Excitatory Pathways. By P. ANDERSEN, T. V. P. BLISS, T. LOMO, L. I. OLSEN and K. K. SKREDE..... 4A  
 Projections of Low Threshold Joint Afferents to the Cerebral Cortex of the Cat. By L. KÖRNER and S. LANDGREN..... 5A  
 A Comparison of Two Methods of Assessing Capillary Permeability in Isolated Perfused Muscle Based on Single Injection Technique. By C. CRONE and D. GARLICK..... 7A  
 The Capillary Permeability of Oxygen, Ions and Some Organic Compounds. By J. STEEN and S. STRAY-PEDERSEN..... 8A  
 The Disappearance of  $Xe^{133}$  and  $I^{125}$  in the Canine Gastrocnemius Muscle Following Vasoconstriction and Vasodilatation. By P. BOLME and L. EDWALL..... 8A  
 Capillary Diffusion Capacity for Small Hydrophilic Molecules in the Exercising Forearm of Man. By N. A. LASSEN and J. TRAP-JENSEN..... 9A  
 Non-Homogeneous Wash-Out Conditions for Xenon-133 from Adipose Tissue. By S. LEVIN NIELSEN..... 10A  
 Brown Fat Thermogenesis Reflected in Mitochondrial Respiration. By H. T. ANDERSEN, E. N. CHRISTIANSEN, H. J. GRAV and J. I. PEDERSEN..... 12A  
 Arteriovenous Anastomoses in Temperature Regulation. By L. VANGGAARD..... 13A  
 Short-Term Habituation and Dishabituation of the Sensory Evoked Response in Man. By H. FRUHSTORFER, T. JÄRVILEHTO and P. SOVERI..... 14A  
 The Effect of Noradrenaline on the Direct Cortical Response of Asphyxiated Newborn Rabbits. By J. BOËTHIUS, T. BRUNDIN and N.-Å. PERSSON..... 15A  
 Tension and Contraction Velocity of Single Motor Units of the Stapedius Muscle. By E. TEIG..... 16A  
 Renal Handling of Galactose in the Cat. By S. N. RASMUSSEN..... 17A  
 Mechanisms in the Maintenance of Glomerular Filtration Rate during High Urine Flow. By J. KJESHUS, E. LØYNING and F. KIL..... 19A  
 Water Balance in the Pupa of the Silk Moth, *Antheraea pernyi*. By H. J. FYHN and T. SAETHER..... 20A  
 Blood Flow in the Interdigital Web of Sea Gull at Low Temperatures. By K. JOHANSEN and K. H. TØNNESEN..... 21A  
 Blood Flow through Muscles during Heavy Rhythmic Exercise. By B. FOLKOW, P. GASKELL and B. A. WAALER..... 22A  
 Effects of Growth Hormone on Amino Acid Transport and Protein Synthesis in the Isolated Working Rat Heart. By K. ÅHRÉN, Å. HJALMARSON and O. ISAKSSON..... 23A  
 The Effect of Cooling on Liver Metabolism. By J. A. LARSEN..... 24A  
 Microspectrophotometric Study of the Compound Rhabdom in the Moth (*Manduca sexta*) Eye. By S. D. CARLSON and B. PHILIPSON..... 26A  
 Effect of Smooth Muscle Contraction on Aortic Diameter and Aortic Baroreceptor Activity. By H. AARS..... 27A

Descending Monosynaptic Connexions to Spinal Border Cells. By F. BALDISSERA and F. WEIGHT. ....	28A
The Noradrenergic Control of the Resting Activity in Static $\gamma$ -Motoneurons and Its Relation to the Tonic Stretch Reflex. By S. GRILLNER. ....	29A
Two Inhibitory Reflexes to the Abdominal Stretch Receptors of the Crayfish. By J. K. S. JANSSEN, A. Njå and L. WALLØE. ....	29A
Influence of Prolonged Overhydration and Dehydration on Vasopressin Content and Neurosecretory Material in the Hypothalamo-Neurohypophyseal System of Rats. By H. VILHARDT. ....	30A
Effect of Metabolic Inhibitors on the Release of Vasopressin <i>in vitro</i> . By N. A. THORN and J. WARBERG. ....	31A
Ouabain-Sensitive Carrier-Mediated Transport of Glucose in the Cerebral Ventricles of Cats. By H. E. BRØNDSTED. ....	32A
Influence of Colchicine on Axoplasmic Transport of Amine Storage Granules in Rat Sympathetic Adrenergic Nerves. By A. DAHLSTRÖM. ....	33A
The Release Reaction of Secretion. By H. STORMORKEN. ....	34A
Is Noradrenaline an Inhibitory Transmitter to Motoneurons? By G. ten BRUGGENCATE and I. ENGBERG. ....	34A
GABA Synthesis in Rat Hippocampus Correlated to the Distribution of Inhibitory Neurons. By F. FONNUM and J. STORM-MATHISEN. ....	35A

### Fasc. 3. (July 1969)

Innervation by Nerve Implants of "Fast" and "Slow" Skeletal Muscles of the Rat. By S. FEX and I. JIRMANOVÁ. ....	257
The Relative Role of Recapture and of <i>de novo</i> Synthesis for the Maintenance of Neurotransmitter Homeostasis in Noradrenergic Nerves. By P. HEDQVIST and L. STJÄRNE. .	270
Pulmonary Diffusing Capacity Limiting Human Performance at Altitude. By G. BLOM-QVIST, R. L. JOHNSON JR and B. SALTIN. ....	284
Studies on the Histamine Releasing Effect of Bee Venom Fractions and Compound 48/80 on Skin and Lung Tissue of the Rat. By B. FREDHOLM and Ö. HAEGERMARK. ....	288
Metabolism of Dopamine and Noradrenaline in Normal, Atrophied and Postganglionically Sympathectomized Rat Salivary Glands <i>in vitro</i> . By J. JONASON. ....	299
Enzyme Activities at the Surface of Intact Human Erythrocytes. By G. RONQUIST. ....	312
Single Unit Recordings from Muscle Nerves in Human Subjects. By K.-E. HAGBARTH and Å. B. VALLBO. ....	321
The Mechanism of Histamine Release from Isolated Rat Peritoneal Mast Cells Induced by d-Tubocurarine. By M. FRISK-HOLMBERG and B. UVNÄS. ....	335
Production and Distribution of Intracranial and Intraspinal Pressure Changes at Sudden Extradural Fluid Volume Input in Rabbits. By S. LINDGREN and L. RINDER. ....	340
"Concussive Response" and Intracranial Pressure Changes at Sudden Extradural Fluid Volume Input in Rabbits. By L. RINDER. ....	352
The Effect of Menthol on Taste Receptors. By G. HELLEKANT. ....	361
Isolation of Fibrinopeptides Formed during Intravascular Coagulation in Dogs. By N. J. GRÖNDAHL, S. P. MILLER and A.-C. TEGER-NILSSON. ....	369
Non-Uniform Blood Flow in the Left Ventricular Wall of Dogs Measured by the Xe-133 Wash-out Technique. By H. ANDERSEN, H. BAGGER and H. GÖTZSCHE. ....	376
Antagonism between Prostaglandin E <sub>2</sub> and Phenoxybenzamine on Noradrenaline Release from the Cat Spleen. By P. HEDQVIST. ....	383

## Fasc. 4. (August 1969)

28A	Secretive Response of the Electrically Stimulated Nasal Salt Gland in <i>Larus Argentatus</i> (Herring Gull). By C. H. HÅKANSSON and B. MALCUS.....	385
29A	Urinary Excretion of Catecholamines and Vanilmandelic Acid in Rats Exposed to Cold. By I. MOTELICA.....	393
29A	Compensatory Hypertrophy of the Rat's Submaxillary Gland. By M. ELMÉR and P. ÖHLIN.....	396
30A	A Procoagulant from Human Postpartum Serum. Effects on coagulation and hemodynamics in dogs. By S. NORDSTRÖM, P. OLSSON, A-C. TEGER-NILSSON and E. ZETTERQVIST.....	399
31A	The Effect of Secretin and Pancreozymin on Pancreatic Blood Flow in the Conscious and Anesthetized Dog. By S. AUNE and L. S. SEMB.....	406
32A	Electron and Fluorescence Microscopical Studies on the Nucleus Caudatus Putamen of the Rat after Unilateral Lesions of Ascending Nigro-Neostriatal Dopamine Neurons. By T. HÖKFELT and U. UNGERSTEDT.....	415
33A	Distribution of Noradrenaline Storing Particles in Peripheral Adrenergic Neurons as Revealed by Electron Microscopy. By T. HÖKFELT.....	427
34A	Energy Exchange in Isometric Contraction of Vascular Smooth Muscle Induced by K-ions. By A. BEVIZ, L. LUNDHOLM and E. MOHME-LUNDHOLM.....	441
35A	Release of Histamine and Formation of Smooth-Muscle Stimulating Principles in Guinea-Pig Lung Tissue Induced by Antigen and Bee Venom Phosphatidase A. By B. FREDHOLM and K. STRANDBERG.....	446
	Renal Clearances of Labelled Inulin (Inulin-Carboxyl- <sup>14</sup> C, Inulin-Methoxy- <sup>3</sup> H) and a Polyethylene Glycol (PEG 1000) in the Rat. By F. BERGLUND, A. ENGBERG, E. PERS-SON and H. ULFENDAHL.....	458
	On Adrenergic Influence on Gastric Motility in Chronically Vagotomized Cats. By G. JANSSON and B. LISANDER.....	463
257	Effects of Thermal Treatment on Mitochondria of Brain, Liver and Ascites Cells. By E. N. CHRISTIANSEN and E. KVAMME.....	472
270	The Regulation of Extra- and Intracellular Acid-Base Parameters in the Rat Brain during Hyper- and Hypocapnia. By Å. KJÄLLQUIST, M. NARDINI and B. K. SIESJÖ....	485
284	Turnover of H <sup>3</sup> -Labelled Palmitate in the Unanesthetized Rat. By J. BOBERG.....	495
	Unit Responses in the Cochlear Nucleus of the Rat to Sweep Tones. By A. R. MÖLLER.....	503
288	Supplementum 322. Studies on the Mode of Action of $\alpha$ -Methyldopa. By M. HENNING.	
299	Supplementum 323. Thermoregulation in Rest and Exercise. By B. NIELSEN.	
312	Supplementum 324. Respiratory and Cardiovascular Effects of Breath-Holding. By P.-E. PAULEV.	
321	Supplementum 325. Elimination of Iodine-Labelled Fibrinogen in Intravascular Coagulation and in the Normal State. By E. ZETTERQVIST.	
335	Supplementum 326. Extrinsic Nervous Control of Gastric Motility. By G. JANSSON.	

# INDEX AUCTORUM

ALM, P., B. EHINGER and B. FALCK, Metabolism of DOPA in Pancreas.....	106
ANDERSEN, H., H. BAGGER and H. GÖTZSCHE, Blood Flow in Ventricular Wall .....	376
ANDERSSON, S. and G. NILSSON, Duodenal pH and Gastric Secretory Inhibition.....	182
AUNE, S. and L. S. SEMB, Pancreatic Blood Flow.....	406
BAGGER, H., H. ANDERSEN and H. GÖTZSCHE, Blood Flow in Ventricular Wall .....	376
BERGLUND, F., A. ENGBERG, E. PERSSON and H. ULFENDAHL, Renal Clearances of Inulin in the Rat.....	458
BEVIZ, A., L. LUNDHOLM and E. MOHME-LUNDHOLM, Energy Exchange in Vascular Muscle.....	441
BLOMQVIST, G., R. L. JOHNSON JR. and B. SALTIN, Human Performance at Altitude ...	284
BOBERG, J., FFA Turnover in the Rat.....	495
BOJESEN, E. and P. P. LEYSSAC, Reabsorption in Rat Kidney.....	213
CHRISTIANSEN, E. N. and E. KVAMME, Effects of Thermal Treatment on Mitochondria .....	472
CIGÁNEK, L. and D. H. INGVAR, Cortical Responses to Monochromatic Flashes.....	82
CORABOEUF, E., J. DELAHAYES and U. SjöSTRAND, K <sup>42</sup> and Na <sup>24</sup> Movements during the Cardiac Cycle .....	40
DECIMA, E. E. and EULER, C. v., Intercostal-to-Phrenic Reflexes III.....	148
DELAHAYES, J., E. CORABOEUF and U. SjöSTRAND, K <sup>42</sup> and Na <sup>24</sup> Movements during the Cardiac Cycle .....	40
EDMAN, K. A. P. and E. NILSSON, Dynamics of Inotropic Change.....	236
EHINGER, B., P. ALM and B. FALCK, Metabolism of DOPA in Pancreas.....	106
ELIASSEN, K. A., <sup>14</sup> C-Histamine Metabolism in Goat.....	172
ELMÉR, M. and P. OHLIN, Hypertrophy of Salivary Glands.....	396
ENGBERG, A., F. BERGLUND, E. PERSSON and H. ULFENDAHL, Renal Clearances of Inulin in the Rat.....	458
EULER, U. S. v., Transmission Failure after Reserpine .....	255
EULER, C. v. and E. E. DECIMA, Intercostal-to-Phrenic Reflexes III.....	148
FALCK, B., P. ALM and B. EHINGER, Metabolism of DOPA in Pancreas.....	106
FEX, S. and I. JIRMANOVÁ, Innervation of Muscles by Nerve Implants .....	257
FREDHOLM, B. and Ö. HAEGERMARCK, Histamine Release from Rat Tissues .....	288
FREDHOLM, B. and K. STRANDBERG, Release of Histamine from Guinea-Pig Lung.....	446
FRISK-HOLMBERG, M. and B. UVNÄS, Histamine Release by Tubocurarine.....	335
GAUTVIK, K., Kininogen in Plasma.....	191
GÖTZSCHE, H., H. ANDERSEN and H. BAGGER, Blood Flow in Ventricular Wall .....	376
GRÖNDAHL, N. J., S. P. MJLLER and A.-C. TEGER-NILSSON, Fibrinopeptide Formation..	369
HAEGERMARCK, Ö. and B. FREDHOLM, Histamine Release from Rat Tissues.....	288
HAGBARTH, K.-E. and Å. B. VALLBO, Recordings from Human Nerves.....	321
HÅKANSSON, C. H. and B. MALCUS, Salt Gland Secretion.....	385
HAUGE, A., Arterial VS. Alveolar Hypoxia.....	121
HEDNER, P. and G. RORSMAN, Cholecystokinin Effects .....	248
HEDQVIST, P., Prostaglandin on Noradrenaline Release.....	383
HEDQVIST, P. and L. STJÄRNE, Neurotransmitter Homeostasis.....	270
HELLEKANT, G., Effect of Menthol on Taste Receptors.....	361
HENRIKSEN, F. W. and H. WÖRNING, Gastrin and Secretin on Pancreatic Secretion.....	67
HÖKFELT, T., Noradrenaline Granules in Peripheral Neurons.....	427
HÖKFELT, T. and U. UNGERSTEDT, Lesions on Central Nigro-Neostriatal DA Fibres ...	415
HÖRNBLAD, P. Y., Glosure of Ductus Arteriosus IV.....	49
HÖRNBLAD, P. Y., Glosure of Ductus Arteriosus VI.....	58



	INCVAR, D. H. and L. CIGÁNEK, Cortical Responses to Monochromatic Flashes.....	82
	JAHN, S. A. A., Response of Muscle Spindles.....	131
	JANSSON, G. and B. LISANDER, Adrenergic Control of Gastric Motility.....	463
	JIRMANOVÁ, I. and S. FEX, Innervation of Muscles by Nerve Implants.....	257
106	JOHNSON, R. L. JR., G. BLOMQUIST and B. SALTIN, Human Performance at Altitude....	284
376	JONASON, J., Amine Metabolism in Rat Salivary Glands.....	299
182	KIIL, F., J. KJEKSHUS and E. LÖYNING, Renal Autoregulation.....	10
406	KIIL, F., J. KJEKSHUS and E. LÖYNING, GFR at High Urine Flow.....	24
376	KJÄLLQUIST, Å., M. NARDINI and B. K. SIESJÖ, Tissue "pH" in the Rat Brain.....	485
	KJEKSHUS, J., F. KIIL and E. LÖYNING, Renal Autoregulation.....	10
458	KJEKSHUS, J., F. KIIL and E. LÖYNING, GFR at High Urine Flow.....	24
	KVAMME, E. and E. N. CHRISTIANSEN, Effects of Thermal Treatment on Mitochondria..	472
441	LEYSSAC, P. P. and E. BOJESSEN, Reabsorption in Rat Kidney.....	213
284	LINDGREN, S. and L. RINDER, Production on Intracranial Pressure Changes.....	340
495	LISANDER, B. and G. JANSSON, Adrenergic Control of Gastric Motility.....	463
213	LISHAJKO, F., Dopamine in Adrenal Medullary Granules.....	159
472	LÖYNING, E., F. KIIL and J. KJEKSHUS, Renal Autoregulation.....	10
82	LÖYNING, E., F. KIIL and J. KJEKSHUS, GFR at High Urine Flow.....	24
	LUNDHOLM, L., A. BEVIZ and E. MOHME-LUNDHOLM, Energy Exchange in Vascular Muscle.....	441
40	MALCUS, B. and C. H. HÅKANSSON, Salt Gland Secretion.....	385
148	MILLER, S. P., N. J. GRÖNDAHL and A.-C. TEGER-NILSSON, Fibrinopeptide Formation..	369
40	MOHME-LUNDHOLM, E., A. BEVIZ and L. LUNDHOLM, Energy Exchange in Vascular Muscle.....	441
236	MÖLLER, A. R., Cochlear Nucleus Responses to Sweep Tones.....	503
106	MOTELICA, I., Excretion of VMA during Cold.....	393
172	NARDINI, M., Å. KJÄLLQUIST and B. K. SIESJÖ, Tissue "pH" in the Rat Brain.....	485
396	NIELSEN, K. C., Cardiac Adrenergic Nerves and Fibrillation.....	1
458	NIELSEN, K. C. and Ch. OWMAN, Ventricular Fibrillation in Cats.....	73
255	NILSSON, G. and S. ANDERSSON, Duodenal pH and Gastric Secretory Inhibition.....	182
148	NILSSON, E. and K. A. P. EDMAN, Dynamics of Inotropic Change.....	236
106	NORDSTRÖM, S. and E. ZETTERQVIST, Aminocaproic Acid and Coagulation.....	93
257	NORDSTRÖM, S., P. OLSSON, A.-C. TEGER-NILSSON and E. ZETTERQVIST, A Procoagulant from Human Postpartum Serum.....	399
288	OHLIN, P. and M. ELMÉR, Hypertrophy of Salivary Glands.....	396
335	OLSSON, P., J. SWEDENBORG and A.-C. TEGER-NILSSON, Adenine Nucleotides and Throm- bin Vasodilation.....	137
191	OLSSON, P., S. NORDSTRÖM, A.-C. TEGER-NILSSON and E. ZETTERQVIST, A Procoagulant from Human Postpartum Serum.....	399
376	OWMAN, Ch. and K. C. NIELSEN, Ventricular Fibrillation in Cats.....	73
369	PERSSON, E., F. BERGLUND, A. ENGBERG and H. ULFENDAHL, Renal Clearances of Inulin in the Rat.....	458
288	RINDER, L., Concussive Response on Extradural Fluid Input.....	352
321	RINDER, L. and S. LINDGREN, Production of Intracranial Pressure Changes.....	340
383	RONQUIST, G., Enzyme Activity in Erythrocytes.....	312
270	RORSMAN, G. and P. HEDNER, Cholecystokinin Effects.....	248
361	SALTIN, B., G. BLOMQUIST and R. L. JOHNSON JR., Human Performance at Altitude....	284
67	SEMB, L. S. and S. AUNE, Pancreatic Blood Flow.....	406
427	SIESJÖ, B. K., Å. KJÄLLQUIST and M. NARDINI, Tissue "pH" in the Rat Brain.....	485
415	SJÖSTRAND, U., E. CORABOEUF and J. DELAHAYES, K <sup>42</sup> and Na <sup>24</sup> Movements during the Cardiac Cycle.....	40

SLORACH, S. A. and B. UVNÄS, Histamine Release in Mast Cells.....	201
STJÄRNE, L. and P. HEDQVIST, Neurotransmitter Homeostasis.....	270
STRANDBERG, K. and B. FREDHOLM, Release of Histamine from Guinea-Pig Lung.....	446
SWEDENBORG, J., P. OLSSON and A.-C. TEGER-NILSSON, Adenine Nucleotides and Thrombin Vasodilation.....	137
TEGER-NILSSON, A.-C., N. J. GRÖNDAHL and S. P. MILLER, Fibrinopeptide Formation..	369
TEGER-NILSSON, A.-C., P. OLSSON and J. SWEDENBORG, Adenine Nucleotides and Thrombin Vasodilation.....	137
TEGER-NILSSON, A.-C., S. NORDSTRÖM, P. OLSSON and E. ZETTERQVIST, A Procoagulant from Human Postpartum Serum.....	399
ULFENDAHL, H., F. BERGLUND, A. ENGBERG and E. PERSSON, Renal Clearances of Inulin in the Rat.....	458
UNGERSTEDT, U. and T. HÖKFELT, Lesions on Central Nigro-Neostriatal DA Fibres....	415
UVNÄS, B. and M. FRISK-HOLMBERG, Histamine Release by Tubocurarine.....	335
UVNÄS, B. and S. A. SLORACH, Histamine Release in Mast Cells.....	201
VALLBO, Å. B. and K.-E. HAGBARTH, Recordings from Human Nerves.....	321
WORNING, H. and F. W. HENRIKSEN, Gastrin and Secretin on Pancreatic Secretion....	67
ZETTERQVIST, E. and S. NORDSTRÖM, Aminocaproic Acid and Coagulation.....	93
ZETTERQVIST, E., S. NORDSTRÖM, P. OLSSON and A.-C. TEGER-NILSSON, A Procoagulant from Human Postpartum Serum.....	399



1  
0  
6  
7  
9  
7  
9  
58  
15  
35  
01  
21  
67  
93  
99

1

QPI  
A15  
136

Redigenda curavit  
PROFESSOR U. S. VON EULER